Lucy L. W. Owen

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Education

Dartmouth College, Hanover, NH 2016 to present
Ph.D. student: Cognitive Neuroscience

Columbia University, Teachers College, New York, NY- 2013 to 2014
Master of Science: Neuroscience and Education
Thesis: The Role of Dopamine in Memory
Psi Chi, Psychology Honors Organization- 2014 – present

Davidson College, Davidson, NC – 2006 to 2010
Bachelor of Arts: Major in Studio Art, Minor in Chemistry, Pre-Medicine Concentration

Funding

DARPA, N66001-14-2-4032

Research Experience

Ph.D. student, PI: Jeremy Manning Ph.D., Dartmouth College – 2016 to present

Lab manager, PI: Daphna Shohamy Ph.D., Columbia University – 2014 to 2016

Research assistant, PI: Peter Gordon Ph.D., Columbia University Teachers College - 2013 to 2015

Publications

Owen, L.L.W. & Manning, J. R. (2017, May) *Towards human Super EGG.*
bioRxiv: 121020.

Heusser AC, Ziman K, **Owen, L.L.W.,** Manning JR (2018) HyperTools: A Python toolbox for gaining geometric insights into high-dimensional data *arXiv*: 1701.08290. *To appear in Journal of Machine Learning Research*.

Conference Presentations

Owen, L.L.W. & Manning, J. R. (2017, November). *A Gaussian process model of human ECoG data.* Poster presented at the Society for Neuroscience conference, Washington, DC.

Owen, L.L.W. & Manning, J. R. (2017, May) *Towards human Super EGG.* Poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA.

Heusser, A.C., Ziman, K., **Owen, L.L.W.,** & Manning, J.R. (2017, May) *HyperTools: A Python toolbox for visualizing and manipulating high-dimensional data.* Poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA.

Owen, L.L.W. & Manning, J. R. (2017, April) *Towards human Super EGG.* Poster presented at the graduate student poster session, Dartmouth College, Hanover, NH.

Owen, L.L.W., Sharp, M. E., & Shohamy, D. (2016, April) *Acquisition and consolidation of motor sequence learning in Parkinson's disease.* Poster presented at Cognitive Neuroscience Society Meeting, New York, NY.

Gordon, P. Kim, S., Paz, M.L., Reddick, E., & **Owen, L.L.W.** (2014, April) *The neural basis of parallel individuation and numerical estimation.* Poster presented at Cognitive Neuroscience Society Meeting, Boston, MA.

Kim, S. **Owen, L.L.W.,** Levinson, H., Paz, M.L., & Gordon, P. (2014, April) *Functional links of neural correlates of word meaning: Behavioral and Neurophysiological Evidence.* Poster presented at Cognitive Neuroscience Society Meeting, Boston, MA.

Service

Graduate Representative, cognitive area, 2018-2020. Host for prospective graduate students.
EPSCoR Women's conference, attendee. Summer 2018.

Teaching Experience

Teaching Assistant, Intro to Psychology**,** Dr. Thalia Wheatly and Dr. Brad Duchaine, Dartmouth College, Fall 2017 and Spring 2018.
Teaching Assistant, Experimental Psychology, Dr. Jeremy Manning, Dartmouth College, Summer 2017.
Teaching Assistant, Brain and Behavior II, Dr. Peter Gordon, Teachers College, New York, NY- 2014.

Skills

Computational Skills
- Use Linux and Mac operating Systems
- Python; R; Bash; Photoshop; Dreamweaver; Office Suite
- FSL; Matlab; SPSS; EPrime; Netstation
Neuropsychological Assessment
Trained to administer a number of neuropsychological batteries, including: MOCA, NART, Trails A and B, Category Fluency, Digit Span